**Class.java**

package com.model;

import java.util.Set;

import javax.persistence.CascadeType;

import javax.persistence.Column;

import javax.persistence.Entity;

import javax.persistence.FetchType;

import javax.persistence.GeneratedValue;

import javax.persistence.GenerationType;

import javax.persistence.Id;

import javax.persistence.OneToMany;

import javax.persistence.Table;

@*Entity*

@*Table*(name="ecom\_class")

public class Class {

    // properties

    @*Id*

    @*GeneratedValue*(strategy = GenerationType.AUTO)

    @*Column*(name = "id")

    private *int* id;

    @*Column*(name = "class")

    private *String* classPos;

    @*Column*(name = "school")

    private *String* schoolName;

    @*OneToMany*(cascade=CascadeType.ALL, fetch=FetchType.LAZY)

    private *Set*<*Student*> students;

    @*OneToMany*(cascade=CascadeType.ALL, fetch=FetchType.LAZY)

    private *Set*<*Subject*> subjects;

    @*OneToMany*(cascade=CascadeType.ALL, fetch=FetchType.LAZY)

    private *Set*<*Teacher*> teacher;

    public Class() {

        super();

    }

    public Class(*String* *classPos*, *String* *schoolName*) {

        super();

        this.classPos = classPos;

        this.schoolName = schoolName;

    }

    public *int* getId() {

        return id;

    }

    public *void* setId(*int* *id*) {

        this.id = id;

    }

    public *String* getClassPos() {

        return classPos;

    }

    public *void* setClassPos(*String* *classPos*) {

        this.classPos = classPos;

    }

    public *String* getSchoolName() {

        return schoolName;

    }

    public *void* setSchoolName(*String* *schoolName*) {

        this.schoolName = schoolName;

    }

    public *Set*<*Student*> getStudents() {

        return students;

    }

    public *void* setStudents(*Set*<*Student*> *students*) {

        this.students = students;

    }

    public *Set*<*Subject*> getSubjects() {

        return subjects;

    }

    public *void* setSubjects(*Set*<*Subject*> *subjects*) {

        this.subjects = subjects;

    }

//for teacher

    public *Set*<*Teacher*> getTeacher() {

        return teacher;

    }

    public *void* setTeacher(*Set*<*Teacher*> *teachers*) {

        this.teacher = teachers;

    }

//close

    @*Override*

    public *String* toString() {

        return "Class [id=" + id + ", classPos=" + classPos + ", schoolName=" + schoolName + ", students=" + students

                + "]";

    }

}

Student.java

package com.model;

import java.util.Date;

import java.util.Set;

import javax.persistence.CascadeType;

import javax.persistence.Column;

import javax.persistence.Entity;

import javax.persistence.FetchType;

import javax.persistence.GeneratedValue;

import javax.persistence.GenerationType;

import javax.persistence.Id;

import javax.persistence.JoinColumn;

import javax.persistence.JoinTable;

import javax.persistence.ManyToMany;

import javax.persistence.OneToOne;

import javax.persistence.Table;

import com.model.Subject;

@*Entity*

@*Table*(name="ecom\_student")

public class Student {

    @*Id*

    @*GeneratedValue*(strategy = GenerationType.AUTO)

    @*Column*(name = "id")

    private *int* id;

    @*Column*(name = "student\_name")

    private *String* name;

    @*Column*(name = "student\_age")

    private *String* age;

    @*Column*(name = "student\_roll\_no")

    private *String* rollno;

    @*Column*(name = "created\_At")

    private *Date* createdAt;

    @*Column*(name = "modified\_At")

    private *Date* modifiedAt;

    @*ManyToMany*(fetch=FetchType.LAZY, cascade=CascadeType.ALL)

    @*JoinTable*(name="students\_sub", joinColumns=@*JoinColumn*(name="id"),

    inverseJoinColumns=@*JoinColumn*(name="sub\_id"))

    private *Set*<*Subject*> subject;

    public *Date* getCreatedAt() {

        return createdAt;

    }

    public *Set*<*Subject*> getSubject() {

        return subject;

    }

    public *void* setSubject(*Set*<*Subject*> *subject*) {

        this.subject = subject;

    }

    @*Override*

    public *String* toString() {

        return "Student [id=" + id + ", name=" + name + ", age=" + age + ", rollno=" + rollno + ", createdAt="

                + createdAt + ", modifiedAt=" + modifiedAt + "]";

    }

    public *void* setCreatedAt(*Date* *createdAt*) {

        this.createdAt = createdAt;

    }

    public *Date* getModifiedAt() {

        return modifiedAt;

    }

    public *void* setModifiedAt(*Date* *modifiedAt*) {

        this.modifiedAt = modifiedAt;

    }

    public Student() {

        super();

    }

    public Student(*String* *name*, *String* *age*,*String* *rollno*) {

        super();

        this.name = name;

        this.age = age;

        this.rollno=rollno;

        this.createdAt = new Date();

        this.modifiedAt = new Date();

    }

    public Student(*int* *id*, *String* *name*, *String* *age*,*String* *rollno*) {

        this.id = id;

        this.name = name;

        this.age = age;

        this.rollno=rollno;

        this.createdAt = new Date();

        this.modifiedAt = new Date();

    }

    public *int* getId() {

        return id;

    }

    public *void* setId(*int* *id*) {

        this.id = id;

    }

    public *String* getName() {

        return name;

    }

    public *void* setName(*String* *name*) {

        this.name = name;

    }

    public *String* getAge() {

        return age;

    }

    public *void* setAge(*String* *age*) {

        this.age= age;

    }

}

Subject.java

package com.model;

import java.util.Date;

import javax.persistence.CascadeType;

import javax.persistence.Column;

import javax.persistence.Entity;

import javax.persistence.FetchType;

import javax.persistence.GeneratedValue;

import javax.persistence.GenerationType;

import javax.persistence.Id;

import javax.persistence.JoinColumn;

import javax.persistence.JoinTable;

import javax.persistence.ManyToMany;

import javax.persistence.OneToOne;

import javax.persistence.Table;

import com.mysql.cj.x.protobuf.MysqlxCursor.Fetch;

@*Entity*

@*Table*(name="ecom\_subjects")

public class Subject {

    @*Id*

    @*GeneratedValue*(strategy = GenerationType.IDENTITY)

    @*Column*(name = "sub\_id")

    private *int* id;

    @*Column*(name = "name")

    private *String* name;

    @*Column*(name = "subcode")

    private *String* subcode;

    public Subject(*String* *name*, *String* *subcode*) {

        super();

        this.name = name;

        this.subcode = subcode;

    }

    public Subject() {

        super();

    }

    public *int* getId() {

        return id;

    }

    public *void* setId(*int* *id*) {

        this.id = id;

    }

    public *String* getName() {

        return name;

    }

    public *void* setName(*String* *name*) {

        this.name = name;

    }

    public *String* getSubcode() {

        return subcode;

    }

    public *void* setSubcode(*String* *subcode*) {

        this.subcode = subcode;

    }

    @*Override*

    public *String* toString() {

        return "Subject [id=" + id + ", name=" + name + ", subcode=" + subcode + "]";

    }

}

Teacher.java

package com.model;

import java.util.Set;

import javax.persistence.CascadeType;

import javax.persistence.Column;

import javax.persistence.Entity;

import javax.persistence.FetchType;

import javax.persistence.GeneratedValue;

import javax.persistence.GenerationType;

import javax.persistence.Id;

import javax.persistence.JoinColumn;

import javax.persistence.OneToMany;

import javax.persistence.OneToOne;

import javax.persistence.Table;

import com.model.Subject;

@*Entity*

@*Table*(name="ecom\_teachers")

public class Teacher {

        // properties

        @*Id*

        @*GeneratedValue*(strategy = GenerationType.AUTO)

        @*Column*(name = "id")

        private *int* id;

        @*Column*(name = "teacher\_name")

        private *String* teachname;

        @*Column*(name = "empcode")

        private *String* ecode;

        @*OneToMany*(cascade=CascadeType.ALL, fetch=FetchType.LAZY)

        private *Set*<*Student*> students1;

        @*OneToOne*(cascade=CascadeType.ALL, fetch=FetchType.LAZY)

        @*JoinColumn*(name="sub\_id")

        private *Subject* subject;

        public Teacher() {

            super();

        }

        public   Teacher(*String* *teachname*, *String* *ecode*) {

            super();

            this.teachname = teachname;

            this.ecode = ecode;

            this.students1 = students1;

        }

        public *int* getId() {

            return id;

        }

        public *void* setId(*int* *id*) {

            this.id = id;

        }

        public *String* getTeachname() {

            return teachname;

        }

        public *void* setTeachname(*String* *teachname*) {

            this.teachname = teachname;

        }

        public *String* getEcode() {

            return ecode;

        }

        public *void* setEcode(*String* *ecode*) {

            this.ecode = ecode;

        }

        public *Set*<*Student*> getStudents1() {

            return students1;

        }

        public *void* setStudents1(*Set*<*Student*> *students1*) {

            this.students1 = students1;

        }

        public *Subject* getSubject() {

            return subject;

        }

        public *void* setSubject(*Subject* *subject*) {

            this.subject = subject;

        }

        @*Override*

        public *String* toString() {

            return "Teacher [id=" + id + ", teachname=" + teachname + ", ecode=" + ecode + ", students1=" + students1

                    + "]";

        }

}

Hibernate SessionUtil.java

package com.util;

import org.hibernate.HibernateException;

import org.hibernate.SessionFactory;

import org.hibernate.cfg.Configuration;

import com.model.Class;

import com.model.Student;

import com.model.Subject;

import com.model.Teacher;

public class HibernateSessionUtil {

    private static *SessionFactory* factory;

    public static *SessionFactory* buildSessionFactory() throws *HibernateException* {

        factory = new Configuration().configure("hibernate.cfg.xml")

                .addAnnotatedClass(Student.class)

                .addAnnotatedClass(Class.class)

                .addAnnotatedClass(Teacher.class)

                .addAnnotatedClass(Subject.class)

                .buildSessionFactory();

        return factory;

    }

}